

ALGORITHM :

Home Screen module:

1. Start
2. Display **user** and **register** button in the **Home Screen module**.
3. If the user presses the **register button**:
 Then go to the **Register page**.
4. If the user presses the **Login button**:
 Then go to the **Login page**.
5. Stop

Register module:

1. Start
2. Connect to the **MySQL Database**
3. Use **Users** table in the Database
4. Input the User details (name,username,password,mobile no,address line 1,address line 2,district,state,pincode)
5. Check if the username already exists or not,
 If the username already exists,
 Display an error message "user already exists".
 else
 Store the user details in the **Users** table.
 Then go to the **Home Screen** .
6. Stop

Login module :

1. Start
2. Connect to the **MySQL Database**
3. Input the username and password from the user.
4. Check whether the username and password exists in the **Users** table
 If the username and password exists in the **Users** table
 Then go to Dashboard.
 Else
 Display the message "Username or Password is incorrect"
5. Stop

Dashboard Module :

1. Start
2. Connect to the **MySQL Database**
3. Display all the user details corresponding to his username from the **Users** table in the database.
4. Display all his present assists and appointments corresponding to his username from the **Assists** table and **Appointments** table in the database.
5. Display all the services provided by the admin
6. If the user presses order items button,
 Display **order items page** in the dashboard.
 If the user presses schedule button,
 Display **schedule items page** in the dashboard.
 If the user presses cancel button,
 Display **cancel Assist and Appointment page** in the dashboard.
 If the user presses view order button,
 Display **view order page** in the dashboard.
 If the user presses logout button,
 Logout from the dashboard and go to the **home screen page**.
7. Stop

Order Items Module :

1. Start
2. Display all the items from the **Items table** in the database along with their stock and prize per product value.
3. Select the item from the items list.
4. Input the quantity required.
5. If the quantity > stock,
 Display the message "No stock available".
 Else,
 Add the item and quantity to the cart
6. Repeat step 3, step 4 and step 5 to add more items in the cart until the cart is full.
7. If the cart is full,
 Display the message "No more items can be added to the cart"
8. If the user presses the place order,
 Store all the details in the cart in the **Ecommerce** table.
 Reduce the stock of the items in the **Items** table.
9. Stop

Schedule module :

1. Start
2. Display all the functions provided in the schedule module.
3. If the user wants- to place an immediate response,
 Input the details (service,vehicle brand,vehicle model,location and pincode).
4. If the user wants to place an appointment,
 Input the details (vehicle no, vehicle brand , vehicle model , workshop , service , date , time)
5. If the user presses the response button,
 Store the details (service,vehicle brand,vehicle model,location and pincode) in the **Assist** table.
 Check the nearby workshop and assign a worker to the user.
6. If the user presses the appointment button,
 Check whether the time slot is already booked
 If the slot is already booked,
 Ask the user to choose another time slot
 else
 Store the details (vehicle no, vehicle brand , vehicle model , workshop , service , date , time) in the **Appointment** table.
7. Stop

Cancel Assist and Appointment Module:

1. Start
2. To cancel the assist response,
 Select the assist id
 Input the reason for the cancellation.
 Press cancel button to cancel the assist.
3. To cancel the appointment,
 Select the appointment id
 Input the reason for the cancellation.
 Press cancel button to cancel the appointment.
4. Stop

View order Module :

1. Start
2. Display all the options provided in the View order module

3. Display all the items placed by the user.
4. If the user wants to cancel the item placed,
 - Select the order id
 - Select the item to be cancelled
 - Press cancel button to cancel the order.
5. Stop

PSEUDO CODE :

Register module:

Begin

Connect to the **MySQL Database**

Use **Users** table in the Database

Get the User details

if(username==username in database),

Print an error message "user already exists".

else

Store the user details in the **Users**

disconnect the MySQL connection

Redirect to the **Home Screen** .

End

Login module :

Begin

Connect to the **MySQL Database**

Get the username and password from the user.

if(username,password==username,password in the db)

then go to Dashboard

else

Print the error message "Username or Password is incorrect"

Disconnect the MySQL connection.

End

Dashboard Module :

Begin

Display all the user details corresponding to his username

If “dashboard” option is pressed:

Display the user profile, user assist and user appointments details.

If “order items” option is pressed:

Go to order items page.

If “schedule” option is pressed:

Go to schedule page.

If “cancel” option is pressed:

Go to cancel assist and appointments page.

If “view order” option is pressed:

Go to view order.

End

Order Items Module :

Begin

Connect the MySQL database

Display all the items from the **Items table** in the database along with their stock and prize per product value.

total=0;

if(item selected) :

Get quantity required.

if(quantity > stock):

Print “No stock available”

else if(cart==5):

Print “cart is full”

Else:

Insert item,quantity,price in cart

total=total + (quantity * price)

If(item cancelled in cart) :

total=total-(quantity * price)

Remove from cart

cart=cart-1

If “place order” is pressed :

Store the order details in the Ecommerce table.

stock=stock - quantity for all products placed

Disconnect the MySQL database.
End.

Schedule module :

Begin

Connect to MySQL database

If “assist” is needed:

Get the details (service,vehicle brand,vehicle model,location and pincode).

workshop_min_distance=workshop_distance[0];

For i=0 to workshops-1 do:

 If workshop_min_distance>workshop_distance[i]:

 Assign the workshop employee to the user.

Store all the details in the Assist table.

If “appointment” is needed:

Get the details (vehicle no, vehicle brand , vehicle model , workshop , service , date ,
time)

if(time,date==time,date in Appointment table in database):

 Print(“time slot already booked by someone”)

Else:

 Store the details

Disconnect the MySQL database

End

Cancel Assist and Appointment Module:

Begin

Connect to the MySQL database;

If “cancel assist” :

 Select assist id

 Get the reason for the cancellation.

 Change the status of assist id as cancelled.

If “cancel appointment” :

 Select appointment id

 Get the reason for the cancellation.

 Change the status of appointment id as cancelled.

Disconnect the MySql database.

End

View order Module :

Begin

Connect to the MySQL database;

If “view order” :

Display all the orders of the users which are not delivered.

If “cancel order” :

Select the order id

Select the product

Select cancel to cancel the product order by the user.

Change status of order id as cancelled.

Disconnect the MySQL database

End

QUALITY ASSURANCE -

TEST CASES

USER TEST CASE

TEST CASE 1:

REGISTER

MODULE	TEST CASE	STATUS	REMARKS
Register	Name = Ashwin	Accepts and then enter user name.	Passed
Register	User name= AS2053S	Accepts and then enter the password.	Passed
Register	Password=ashwantha 123\$	Accepts and then enter the confirm password.	Passed
Register	Confirm Password=ashwantha	Accepts and then enter the mobile	Passed

	123\$	number.	
Register	Mobile Number =9597941925	Accepts and then enter the Address Line 1	Passed
Register	Address Line 1 = Krishna Street	Accepts and then enter the Address Line 2	Passed
Register	Address Line 2 = Devanga Nagar	Accepts and then ask to select the state	Passed
Register	State = Tamil Nadu	Accepts and then ask to select the district	Passed
Register	District = Coimbatore	Accepts and then enter the pincode	Passed
Register	Pincode = 641025	Accepts and then redirects to Home Screen Page	Passed

TEST CASE 2:

REGISTER

MODULE	TEST CASE	STATUS	REMARKS
Register	Name = Rajesh	Accepts and then enter user name.	Passed
Register	User name= Rajesh2000\$\$5	Accepts and then enter the password.	Passed
Register	Password=rajesh\$\$dev	Accepts and then enter the confirm password.	Passed
Register	Confirm Password=rajesh\$\$dev	Accepts and then enter the mobile number.	Passed

Register	Mobile Number =9597941925	Accepts and then enter the Address Line 1	Passed
Register	Address Line 1 = Kuniyamuttur	Accepts and then enter the Address Line 2	Passed
Register	Address Line 2 = Edayarpalayam	Accepts and then ask to select the state	Passed
Register	State = Tamil Nadu	Accepts and then ask to select the district	Passed
Register	District = Coimbatore	Accepts and then enter the pincode	Passed
Register	Pincode = 641041	Accepts and then redirects to Home Screen Page	Passed

TEST CASE 3:

REGISTER

MODULE	TEST CASE	STATUS	REMARKS
Register	Name = Rajesh\$123	Accepts and Display "Name contains only alphabets"	Failed
Register	User name= Rajesh2000\$\$5	Accepts and then enter the password.	Passed
Register	Password=rajesh\$\$dev	Accepts and then enter the confirm password.	Passed
Register	Confirm Password=rajesh\$\$dev	Accepts and then enter the mobile number.	Passed
Register	Mobile Number	Accepts and then	Passed

	=9597941925	enter the Address Line 1	
Register	Address Line 1 = Kuniyamuttur	Accepts and then enter the Address Line 2	Passed
Register	Address Line 2 = Edayarpalayam	Accepts and then ask to select the state	Passed
Register	State = Tamil Nadu	Accepts and then ask to select the district	Passed
Register	District = Coimbatore	Accepts and then enter the pincode	Passed
Register	Pincode = 641041	Accepts and then redirects to Home Screen Page	Passed

TEST CASE 4:

REGISTER

MODULE	TEST CASE	STATUS	REMARKS
Register	Name = Kavın	Accepts and then enter user name.	Passed
Register	User name= Kavın2000\$\$5	Accepts and then enter the password.	Passed
Register	Password=kavın\$\$dev	Accepts and then enter the confirm password.	Passed
Register	Confirm Password=kavın1995	Accepts and then display "Password and Confirm Password are mismatched"	Failed
Register	Mobile Number =9597941925	Accepts and then enter the Address Line 1	Passed

Register	Address Line 1 = Kuniyamuttur	Accepts and then enter the Address Line 2	Passed
Register	Address Line 2 = Edayarpalayam	Accepts and then ask to select the state	Passed
Register	State = Tamil Nadu	Accepts and then ask to select the district	Passed
Register	District = Coimbatore	Accepts and then enter the pincode	Passed
Register	Pincode = 641041	Accepts and then redirects to Home Screen Page	Passed

TEST CASE 5:

REGISTER

MODULE	TEST CASE	STATUS	REMARKS
Register	Name = Kavin	Accepts and then enter user name.	Passed
Register	User name= Kavin2000\$\$5	Accepts and then enter the password.	Passed
Register	Password=kavin\$\$de v	Accepts and then enter the confirm password.	Passed
Register	Confirm Password=kavin\$\$de v	Accepts and then enter the mobile no	Passed
Register	Mobile Number =955556	Accepts and then display "Mobile no can be of only 10 digits"	Failed

Register	Address Line 1 = Kuniyamuttur	Accepts and then enter the Address Line 2	Passed
Register	Address Line 2 = Edayarpalayam	Accepts and then ask to select the state	Passed
Register	State = Tamil Nadu	Accepts and then ask to select the district	Passed
Register	District = Coimbatore	Accepts and then enter the pincode	Passed
Register	Pincode = 641041	Accepts and then redirects to Home Screen Page	Passed

TEST CASE 6:

REGISTER

MODULE	TEST CASE	STATUS	REMARKS
Register	Name = Kavın	Accepts and then enter user name.	Passed
Register	User name= Kavin2000\$\$5	Accepts and then enter the password.	Passed
Register	Password=kavin\$\$de v	Accepts and then enter the confirm password.	Passed
Register	Confirm Password=kavin\$\$de v	Accepts and then enter the mobile no	Passed
Register	Mobile Number =9555562235	Accepts and then enter the Address Line 1	Passed
Register	Address Line 1 = Kuniyamuttur	Accepts and then enter the Address Line 2	Passed

Register	Address Line 2 = Edayarpalayam	Accepts and then ask to select the state	Passed
Register	State = Tamil Nadu	Accepts and then ask to select the district	Passed
Register	District = Coimbatore	Accepts and then enter the pincode	Passed
Register	Pincode = 64104	Accepts and then displays “pincode is of only 6 digits”	Failed

TEST CASE 7 :

LOGIN

MODULE	TEST CASE	STATUS	REMARKS
Login	User name=Kavin2000\$\$5	Accepts and then enter the password	Passed
Login	Password=kavin\$\$de v	Accepts and then go to the Dashboard	Passed

TEST CASE 8 :

LOGIN

MODULE	TEST CASE	STATUS	REMARKS
Login	User name=AS2053S	Accepts and then enter the password	Passed
Login	Password=ashwantha 123\$	Accepts and then go to the Dashboard	Passed

TEST CASE 9 :**LOGIN**

MODULE	TEST CASE	STATUS	REMARKS
Login	User name=AS2053S	Accepts and then enter the password	Passed
Login	Password=ashwantha 123	Accepts and display "Incorrect username or password"	Failed

TEST CASE 10 :**ASSIST BOOKING**

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=1	Accepts and then select the service needed	Passed
Schedule	Service=Repair	Accepts and then enter the location	Passed
Schedule	Location=12,Pallani Nagar, Edayarpalayam, Coimbatore, Tamil Nadu	Accepts and then enter the pincode	Passed
Schedule	pincode=641006	Accepts and then select the vehicle brand	Passed
Schedule	Vehicle brand=Audi	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A3	Accepts and assist booked	Passed

TEST CASE 11 :**ASSIST BOOKING**

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=2	Accepts and then select the service needed	Passed
Schedule	Service=Engine Failure	Accepts and then enter the location	Passed
Schedule	Location=13,Devanga Nagar, Edayarpalayam, Coimbatore, Tamil Nadu	Accepts and then enter the pincode	Passed
Schedule	pincode=641025	Accepts and then select the vehicle brand	Passed
Schedule	Vehicle brand=Honda	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A1	Accepts and assist booked	Passed

TEST CASE 12 :**ASSIST BOOKING**

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=1	Accepts and display "Already response registered"	Failed
Schedule	Service=Repair	Accepts and then enter the location	Passed
Schedule	Location=12,Pallani	Accepts and then	Passed

	Nagar, Edayarpalayam, Coimbatore, Tamil Nadu	enter the pincode	
Schedule	pincode=641006	Accepts and then select the vehicle brand	Passed
Schedule	Vehicle brand=Audi	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A3	Accepts	Passed

TEST CASE 13 :

ASSIST BOOKING

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=3	Accepts and then select the service	passed
Schedule	Service=Repair	Accepts and then enter the location	Passed
Schedule	Location=12,Kuniyam uttur Coimbatore, Tamil Nadu	Accepts and then enter the pincode	Passed
Schedule	pincode=6410067	Accepts and then displays “pincode can be of 6 digits only”	Failed
Schedule	Vehicle brand=Audi	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A3	Accepts	Passed

TEST CASE 14 :**APPOINTMENT BOOKING**

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=1	Accepts and then select the service needed	Passed
Schedule	Service=Repair	Accepts and then select the date	Passed
Schedule	Date=21/06/2020	Accepts and then select the time	Passed
Schedule	Time=10:00	Accepts and then select the vehicle brand	Passed
Schedule	Vehicle brand=Audi	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A3	Accepts and appointment booked	Passed

TEST CASE 15 :**APPOINTMENT BOOKING**

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=2	Accepts and then select the service needed	Passed
Schedule	Service=Engine Failure	Accepts and then select the date	Passed
Schedule	Date=22/06/2020	Accepts and then select the time	Passed
Schedule	Time=11:00	Accepts and then	Passed

		select the vehicle brand	
Schedule	Vehicle brand=Honda	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A1	Accepts and appointment booked	Passed

TEST CASE 16 :

APPOINTMENT BOOKING

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=1	Accepts and then select the service	Passed
Schedule	Service=Repair	Accepts and then select the date	Passed
Schedule	Date=21/06/2020	Accepts and then display "Already you have booked an appointment for this date"	Failed
Schedule	Time=10:00	Accepts and then select the vehicle brand	Passed
Schedule	Vehicle brand=Audi	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A3	Accepts	Passed

TEST CASE 17 :

APPOINTMENT BOOKING

MODULE	TEST CASE	STATUS	REMARKS
Schedule	User id=1	Accepts and then	Passed

		select the service	
Schedule	Service=Repair	Accepts and then select the date	Passed
Schedule	Date=22/06/2020	Accepts and then select the time	Passed
Schedule	Time=11:00	Accepts and then display "Already this time slot is booked by another customer"	Failed
Schedule	Vehicle brand=Audi	Accepts and then select the vehicle model	Passed
Schedule	Vehicle model = A3	Accepts	Passed

TEST CASE 18 :

CANCEL ASSIST

MODULE	TEST CASE	STATUS	REMARKS
cancel	User id=1	Accepts and then select the assist id	Passed
cancel	Assist id=2	Accepts and then enter the reason	Passed
cancel	Reason="The problem was rectified by myself.."	Accepts and the assist id gets deleted	Passed

TEST CASE 19 :

CANCEL ASSIST

MODULE	TEST CASE	STATUS	REMARKS
cancel	User id=1	Accepts and then select the assist id	Passed

cancel	Assist id=2	Accepts and then enter the reason	Passed
cancel	Reason=" "	Accepts and displays "Enter the reason pls"	Failed

TEST CASE 20 :

CANCEL ASSIST

MODULE	TEST CASE	STATUS	REMARKS
cancel	User id=1	Accepts and then select the Appointment id	Passed
cancel	Appointment id=2	Accepts and then enter the reason	Passed
cancel	Reason="I cant come to the workshop due to heavy rain."	Accepts and the appointment id gets deleted	Passed

TEST CASE 21 :

CANCEL ASSIST

MODULE	TEST CASE	STATUS	REMARKS
cancel	User id=1	Accepts and then select the Appointment Id	Passed
cancel	Appointment id=2	Accepts and then enter the reason	Passed
cancel	Reason=" "	Accepts and displays "Enter the reason pls"	Failed

TEST CASE 22 :**ORDER ITEMS**

MODULE	TEST CASE	STATUS	REMARKS
Order items	User id=1	Accepts and then select the item	Passed
Order items	Item = screw	Accepts and then enter the quantity	Passed
Order items	Quantity = 5	Accepts and gets placed in the cart	Passed
Order items	Item = hammer	Accepts and then enter the quantity	Passed
Order items	Quantity = 3	Accepts and gets placed in the cart	Passed
Order items	Item = tire Honda A5	Accepts and then enter the quantity	Passed
Order items	Quantity = 4	Accepts and gets placed in the cart	Passed
Order items	Item = Honda seat	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed
Order items	Item = Engine	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed

TEST CASE : 23**ORDER ITEMS**

MODULE	TEST CASE	STATUS	REMARKS
--------	-----------	--------	---------

Order items	User id=5	Accepts and then select the item	Passed
Order items	Item = tire Honda A5	Accepts and then enter the quantity	Passed
Order items	Quantity = 4	Accepts and gets placed in the cart	Passed
Order items	Item = Honda seat	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed
Order items	Item = Engine	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed

TEST CASE 24 :

ORDER ITEMS

MODULE	TEST CASE	STATUS	REMARKS
Order items	User id=2	Accepts and then select the item	Passed
Order items	Item = screw	Accepts and then enter the quantity	Passed
Order items	Quantity = 5	Accepts and gets placed in the cart	Passed
Order items	Item = hammer	Accepts and then enter the quantity	Passed
Order items	Quantity = 0	Accepts and displays "Cant add to Cart"	Failed
Order items	Item = tire Honda A5	Accepts and then	Passed

		enter the quantity	
Order items	Quantity = 4	Accepts and gets placed in the cart	Passed
Order items	Item = Honda seat	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed
Order items	Item = Engine	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed

TEST CASE 25 :

ORDER ITEMS

MODULE	TEST CASE	STATUS	REMARKS
Order items	User id=5	Accepts and then select the item	Passed
Order items	Item = screw	Accepts and then enter the quantity	Passed
Order items	Quantity = 5	Accepts and gets placed in the cart	Passed
Order items	Item = hammer	Accepts and then enter the quantity	Passed
Order items	Quantity = 3	Accepts and gets placed in the cart	Passed
Order items	Item = tire Honda A5	Accepts and then enter the quantity	Passed
Order items	Quantity = 4	Accepts and gets placed in the cart	Passed

Order items	Item = Honda seat	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed
Order items	Item = Engine	Accepts and then enter the quantity	Passed
Order items	Quantity = 1	Accepts and gets placed in the cart	Passed
Order items	Item = Oil	Accepts and displays "Cart is full, 5 items can be placed in an order"	Failed
Order items	Quantity = 1	Accepts and displays "Cart is full, 5 items can be placed in an order"	Failed

TEST CASE 26 :

CANCEL ORDER

MODULE	TEST CASE	STATUS	REMARKS
Cancel order	User id=5	Accepts and then select the order id	Passed
Cancel order	Order id =A5 12/06/20 15:05:03	Accepts and then select the product	Passed
Cancel order	Product =screw	Accepts and cancels the order placed	Passed

TEST CASE 27 :

CANCEL ORDER

MODULE	TEST CASE	STATUS	REMARKS
Cancel order	User id=1	Accepts and then select the order id	Passed
Cancel order	Order id =A5 21/06/20 03:05:03	Accepts and then select the product	Passed
Cancel order	Product =hero tire	Accepts and cancels the order placed	Passed

TEST CASE 28 :

CANCEL ORDER

MODULE	TEST CASE	STATUS	REMARKS
Cancel order	User id=1	Accepts and then select the order id	Passed
Cancel order	Order id ="	Accepts and then displays "select the order id"	Failed
Cancel order	Product ="	Accepts and then displays "select the order id"	Failed

TEST CASE 29 :

CANCEL ORDER

MODULE	TEST CASE	STATUS	REMARKS
Cancel order	User id=5	Accepts and then select the order id	Passed
Cancel order	Order id =A5 21/06/20 03:05:03	Accepts and then select the product	Passed
Cancel order	Product ="	Accepts and then displays "select the	Failed

		product”	
--	--	----------	--